

Date=28/09/2020

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Subject ⇒ CSS Flexbox

IN PREVIOUS LECTURE (QUICK RECAP) Date-24/09/2020	In Today's Lecture (Overview)
<div> Tag CSS margin Property CSS background-attachment Property CSS object-position Property CSS padding Property MCQS Questions for self practice / CC For the day	CSS Flexbox Parent Element (Container) The flex-wrap Property The align-items Property The align-content Property Questions for Self practice / CC for the day

CSS Flexbox

CSS Flexbox Layout Module

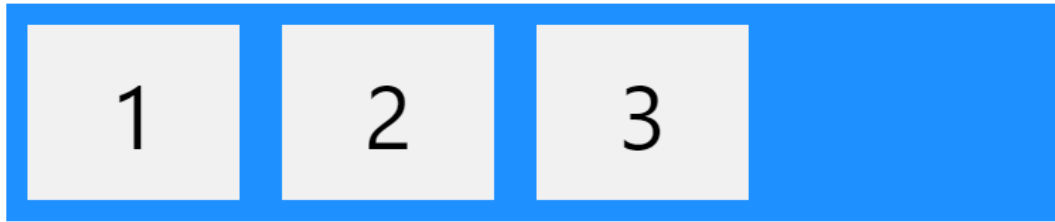
Before the Flexbox Layout module, there were four layout modes:

- Block, for sections in a webpage
- Inline, for text
- Table, for two-dimensional table data
- Positioned, for explicit position of an element

The Flexible Box Layout Module makes it easier to design flexible responsive layout structure without using float or positioning.

Flexbox Elements

To start using the Flexbox model, you need to first define a flex container.



Example

```
<div class="flex-container">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
</div>
```

Parent Element (Container)

The flex container becomes flexible by setting the `display` property to *flex*:

Example

```
.flex-container {  
  
  display: flex;  
  
}
```

The flex container properties are:

[Flex-direction](#)

[Flex-wrap](#)

[Flex-flow](#)

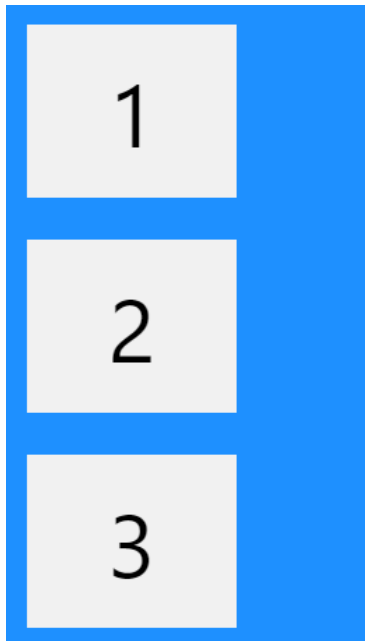
[Justify-content](#)

Align-items

align-content

The flex-direction Property

The flex-direction property defines in which direction the container wants to stack the flex items.



Example

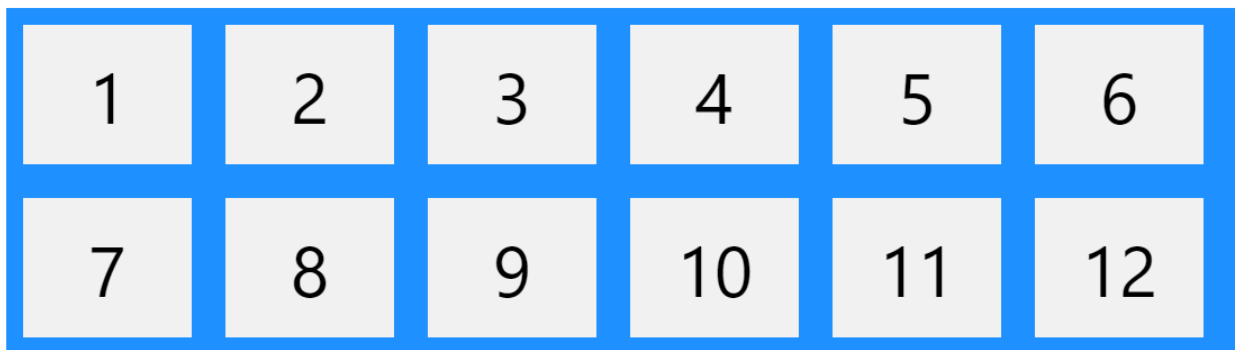
The *column* value stacks the flex items vertically (from top to bottom):

```
.flex-container {  
  display: flex;  
  flex-direction: column;  
}
```

The flex-wrap Property

The `flex-wrap` property specifies whether the flex items should wrap or not.

The examples below have 12 flex items, to better demonstrate the `flex-wrap` property.



Example

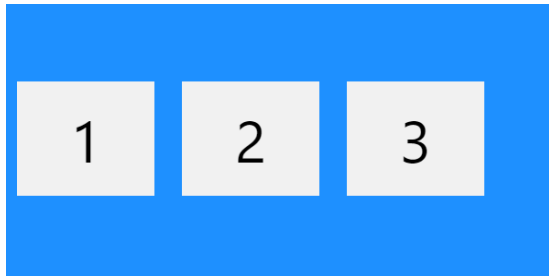
The `wrap` value specifies that the flex items will wrap if necessary:

```
.flex-container {  
  display: flex;  
  flex-wrap: wrap;  
}
```

The align-items Property

The `align-items` property is used to align the flex items.

In these examples we use a 200 pixels high container, to better demonstrate the `align-items` property.



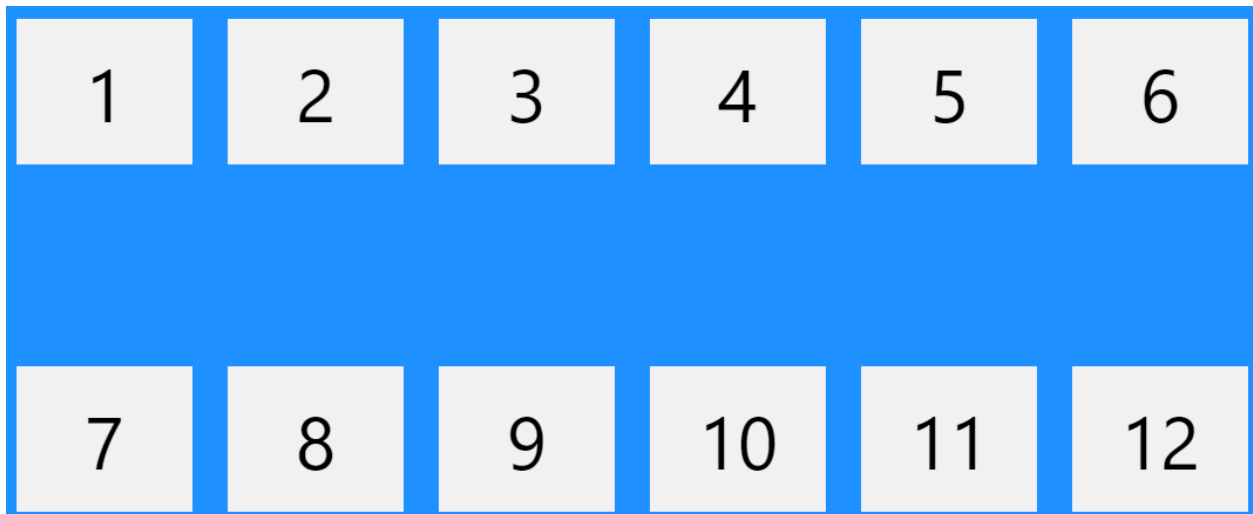
Example

The *center* value aligns the flex items in the middle of the container:

```
.flex-container {  
  display: flex;  
  height: 200px;  
  align-items: center;  
}
```

The align-content Property

The `align-content` property is used to align the flex lines.



In this example we use a 600 pixels high container, with the flex-wrap property set to *wrap*, to better demonstrate the `align-content` property.

Example

The *space-between* value displays the flex lines with equal space between them:

```
.flex-container {  
  
  display: flex;  
  
  height: 600px;  
  
  flex-wrap: wrap;  
  
  align-content: space-between;  
  
}
```

["Click here"](#) to know more about it

Questions for Self practice / CC for the day

==List all flex properties of parent and child in a table format